**Remarks**

This PRELIMINARY AMENDMENT is filed prior to examination of this application. Please enter this Amendment into the application.

The specification and Figures have been amended to correct an inadvertent error in Table 1 and Figure 1, respectively. Table 1 and Figure 1 are identical except for their numeration.

After filing the application, Applicants noted that the nucleotide sequence in Table 1 and Figure 1 showed, on the last line, the 7th codon from the left side, the codon ACT. The correct codon in this position is ATC.

Applicants herewith provide marked-up and clean copies of: (1) page 16 of the specification and (2) Figure 1, page 1 (Replacement sheet 1/23). Appendix 1 contains the marked-up copy of Table 1; Appendix 2 contains the clean copy of Table 1; Appendix 3 contains the marked-up copy of Figure 1, page 1; and Appendix 4 contains the clean copy of Figure 1, page 1 (Replacement sheet 1/23).

Support for these amendments is present in the application as filed. Specifically, on page 20, second full paragraph, second sentence as follows:

> Recently, two new transcripts of the hGH-V gene have been described (Boguszewski 1998). ... The second transcript to be described uses a similar alternative splice site within exon 3, to that seen for hGH-N, to predict a 20kDa isoform of hGH-V (GenBank accession number: AF006060).

Applicants herewith provide marked-up and clean copies of the GenBank webpages (www.ncbi.nlm.nih.gov/entrez/viewer.fcgi?val=AF006060.1) showing the correct sequence.

Appendix 5 is a marked-up copy of the above website. The marked-up copy on page 2 shows the proper nucleotide sequence (at positions 292-294; box). Appendix 6 is the clean copy of the above website. The clean copy does not have the codon so marked.

No fees are due with this PRELIMINARY AMENDMENT. The Commissioner is hereby authorized to charge any deficiencies or credit overpayment to Deposit Account No. 50-4089.

Please note that the correspondence address for this application has changed. The new address is:

Customer No: 66936
Borson Law Group, PC
1320 Willow Pass Road, Suite 490
Concord, California 94520-5232
Tel: (925) 395-2060

Please note that the Attorneys associated with Customer No: 66936 are:

D. Benjamin Borson, Ph.D., Reg.44,366. No: 42,349 and
J. Steven Svoboda, Reg. No: 44,366.

Respectfully submitted,

BORSON LAW GROUP, PC

Date: April 16, 2007 By: D. Benjamin Borson
D. Benjamin Borson, Ph.D.
Reg. No.: 42,349

Customer No. 66936
BORSON LAW GROUP, PC
1320 Willow Pass Road, Suite 490
Concord, California 94520-5232
Tel: (925) 395-2060

**Appendix 1**
**Marked-up copy of Table 1**

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEQ ID NO:1 | ATG | GCT | GCA | GGC | TCC | CGG | ACG | TCC | CTG | CTC | CTG | GCT | TTT | GGC | CTG | CTC | TCG |
| SEQ ID NO:2 | | | ACA | | | | | | | | | | | | | | |
| SEQ ID NO:3 | | | GCA | | | | | | | | | | | | | | |
| SEQ ID NO:4 | | | ACA | | | | | | | | | | | | | | |
| | CTG | TCC | TGG | CTT | CAA | GAG | GGC | AGT | GCC | TTC | CCA | ACC | ATT | CCC | TTA | TCC | AGG |
| | | CCC | | | | | | | | | | | | | | | |
| | | TCC | | | | | | | | | | | | | | | |
| | | CCC | | | | | | | | | | | | | | | |
| | CTT | TTT | GAC | AAC | GCT | ATG | CTC | CGC | GCC | CGT | CGC | CTG | TAC | CAG | CTG | GCA | TAT |
| | | | | | | | | | | CAT | CGT | | CAC | | | GCC | TTT |
| | | | | | | | | | | CGT | CGC | | TAC | | | GCA | TAT |
| | | | | | | | | | | CAT | CGT | | CAC | | | GCC | TTT |
| | GAC | ACC | TAT | CAG | GAG | TTT | GAA | GAA | GCC | TAT | ATC | CTG | AAG | GAG | CAG | AAG | TAT |
| | | | TAC | | | | | | | | | CTA | GAA | | | | |
| | | | TAT | | | | — | — | — | — | — | — | — | — | — | — | — |
| | | | TAC | | | | — | — | — | — | — | — | — | — | — | — | — |
| | TCA | TTC | CTG | CAG | AAC | CCC | CAG | ACC | TCC | CTC | TGC | TTC | TCA | GAG | TCT | ATT | CCA |
| | | | | | | | | | | | TGT | | | | | | CCG |
| | | | | | | | | | | | TGC | | | | | | CCA |
| | — | — | — | — | | | | | | | TGT | | | | | | CCG |
| | — | — | — | — | | | | | | | | | | | | | |
| | ACA | CCT | TCC | AAC | AGG | GTG | AAA | ACG | CAG | CAG | AAA | TCT | AAC | CTA | GAG | CTG | CTC |
| | | CCC | | | | GAG | GAA | ACA | CAA | | | TCC | | | | | |
| | | CCT | | | | GTG | AAA | ACG | CAG | | | TCT | | | | | |
| | | CCC | | | | GAG | GAA | ACA | CAA | | | TCC | | | | | |
| | CGC | ATC | TCC | CTG | CTG | CTC | ~~ACT~~ | CAG | TCA | TGG | CTG | GAG | CCC | GTG | CAG | CTC | CTC |
| | | | | | | | ATC | | TCG | | | | | | | TCT | |
| | | | | | | | | | TCA | | | | | | | CTC | |
| | | | | | | | | | TCG | | | | | | | TCT | |

Table 1 Translated nucleotide sequence of hGH variants.Dashes indicate section deleted in 20 kDa hGH-V and 20 kDa hGH-. Underlined section indicates signal sequence.

**Appendix 2**
**Clean copy of Table 1**

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SEQ ID NO:1** | ATG | GCT | GCA | GGC | TCC | CGG | ACG | TCC | CTG | CTC | CTG | GCT | TTT | GGC | CTG | CTC | TCG |
| **SEQ ID NO:2** | | | ACA | | | | | | | | | | | | | | |
| **SEQ ID NO:3** | | | GCA | | | | | | | | | | | | | | |
| **SEQ ID NO:4** | | | ACA | | | | | | | | | | | | | | |
| | CTG | TCC | TGG | CTT | CAA | GAG | GGC | AGT | GCC | TTC | CCA | ACC | ATT | CCC | TTA | TCC | AGG |
| | | CCC | | | | | | | | | | | | | | | |
| | | TCC | | | | | | | | | | | | | | | |
| | | CCC | | | | | | | | | | | | | | | |
| | CTT | TTT | GAC | AAC | GCT | ATG | CTC | CGC | GCC | CGT | CGC | CTG | TAC | CAG | CTG | GCA | TAT |
| | | | | | | | | | | CAT | CGT | | CAC | | | GCC | TTT |
| | | | | | | | | | | CGT | CGC | | TAC | | | GCA | TAT |
| | | | | | | | | | | CAT | CGT | | CAC | | | GCC | TTT |
| | GAC | ACC | TAT | CAG | GAG | TTT | GAA | GAA | GCC | TAT | ATC | CTG | AAG | GAG | CAG | AAG | TAT |
| | | | TAC | | | | | | | | | CTA | GAA | | | | |
| | | | TAT | | | | — | — | — | — | — | — | — | — | — | — | — |
| | | | TAC | | | | — | — | — | — | — | — | — | — | — | — | — |
| | TCA | TTC | CTG | CAG | AAC | CCC | CAG | ACC | TCC | CTC | TGC | TTC | TCA | GAG | TCT | ATT | CCA |
| | | | | | | | | | | | TGT | | | | | | CCG |
| | | | | | | | | | | | TGC | | | | | | CCA |
| | — | — | — | — | | | | | | | TGT | | | | | | CCG |
| | — | — | — | — | | | | | | | | | | | | | |
| | ACA | CCT | TCC | AAC | AGG | GTG | AAA | ACG | CAG | CAG | AAA | TCT | AAC | CTA | GAG | CTG | CTC |
| | | CCC | | | | GAG | GAA | ACA | CAA | | | TCC | | | | | |
| | | CCT | | | | GTG | AAA | ACG | CAG | | | TCT | | | | | |
| | | CCC | | | | GAG | GAA | ACA | CAA | | | TCC | | | | | |
| | CGC | ATC | TCC | CTG | CTG | CTC | ATC | CAG | TCA | TGG | CTG | GAG | CCC | GTG | CAG | CTC | CTC |
| | | | | | | | | | TCG | | | | | | | TCT | |
| | | | | | | | | | TCA | | | | | | | CTC | |
| | | | | | | | | | TCG | | | | | | | TCT | |

**Table 1** Translated nucleotide sequence of hGH variants.Dashes indicate section deleted in 20 kDa hGH-V and 20 kDa hGH-. Underlined section indicates signal sequence.

**Appendix 3**
**Marked-up copy of Figure 1, page 1**

Marked-up Figure 1, page 1

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEQ ID NO:1 | ATG | GCT | GCA | GGC | TCC | CGG | ACG | TCC | CTG | CTC | CTG | GCT | TTT | GGC | CTG | CTC | TCG |
| SEQ ID NO:2 | | | ACA | | | | | | | | | | | | | | |
| SEQ ID NO:3 | | | GCA | | | | | | | | | | | | | | |
| SEQ ID NO:4 | | | ACA | | | | | | | | | | | | | | |
| | CTG | TCC | TGG | CTT | CAA | GAG | GGC | AGT | GCC | TTC | CCA | ACC | ATT | CCC | TTA | TCC | AGG |
| | | CCC | | | | | | | | | | | | | | | |
| | | TCC | | | | | | | | | | | | | | | |
| | | CCC | | | | | | | | | | | | | | | |
| | CTT | TTT | GAC | AAC | GCT | ATG | CTC | CGC | GCC | CGT | CGC | CTG | TAC | CAG | CTG | GCA | TAT |
| | | | | | | | | | | CAT | CGT | | CAC | | | GCC | TTT |
| | | | | | | | | | | CGT | CGC | | TAC | | | GCA | TAT |
| | | | | | | | | | | CAT | CGT | | CAC | | | GCC | TTT |
| | GAC | ACC | TAT | CAG | GAG | TTT | GAA | GAA | GCC | TAT | ATC | CTG | AAG | GAG | CAG | AAG | TAT |
| | | | TAC | | | | | | | | | CTA | GAA | | | | |
| | | | TAT | | | | — | — | — | — | — | — | — | — | — | — | — |
| | | | TAC | | | | — | — | — | — | — | — | — | — | — | — | — |
| | TCA | TTC | CTG | CAG | AAC | CCC | CAG | ACC | TCC | CTC | TGC | TTC | TCA | GAG | TCT | ATT | CCA |
| | | | | | | | | | | | TGT | | | | | | CCG |
| | | | | | | | | | | | TGC | | | | | | CCA |
| | — | — | — | — | | | | | | | TGT | | | | | | CCG |
| | — | — | — | — | | | | | | | | | | | | | |
| | ACA | CCT | TCC | AAC | AGG | GTG | AAA | ACG | CAG | CAG | AAA | TCT | AAC | CTA | GAG | CTG | CTC |
| | | CCC | | | | GAG | GAA | ACA | CAA | | | TCC | | | | | |
| | | CCT | | | | GTG | AAA | ACG | CAG | | | TCT | | | | | |
| | | CCC | | | | GAG | GAA | ACA | CAA | | | TCC | | | | | |
| | CGC | ATC | TCC | CTG | CTG | CTC | ~~ACT~~ | CAG | TCA | TGG | CTG | GAG | CCC | GTG | CAG | CTC | CTC |
| | | | | | | | ATC | | TCG | | | | | | | TCT | |
| | | | | | | | | | TCA | | | | | | | CTC | |
| | | | | | | | | | TCG | | | | | | | TCT | |

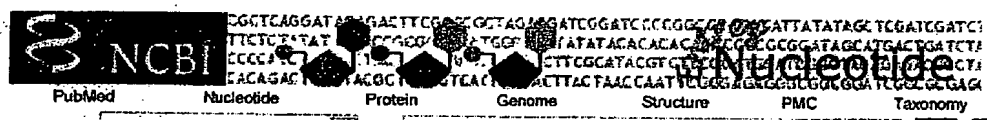
**Figure 1** Translated nucleotide sequence of hGH variants.Dashes indicate section deleted in 20 kDa hGH-V and 20 kDa hGH-. Underlined section indicates signal sequence.

**Appendix 4**
**Clean copy of Figure 1, page 1**
**Replacement Sheet 1/23**

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEQ ID NO:1 | ATG | GCT | GCA | GGC | TCC | CGG | ACG | TCC | CTG | CTC | CTG | GCT | TTT | GGC | CTG | CTC | TCG |
| SEQ ID NO:2 | | | ACA | | | | | | | | | | | | | | |
| SEQ ID NO:3 | | | GCA | | | | | | | | | | | | | | |
| SEQ ID NO:4 | | | ACA | | | | | | | | | | | | | | |
| | CTG | TCC | TGG | CTT | CAA | GAG | GGC | AGT | GCC | TTC | CCA | ACC | ATT | CCC | TTA | TCC | AGG |
| | | CCC | | | | | | | | | | | | | | | |
| | | TCC | | | | | | | | | | | | | | | |
| | | CCC | | | | | | | | | | | | | | | |
| | CTT | TTT | GAC | AAC | GCT | ATG | CTC | CGC | GCC | CGT | CGC | CTG | TAC | CAG | CTG | GCA | TAT |
| | | | | | | | | | | CAT | CGT | | CAC | | | GCC | TTT |
| | | | | | | | | | | CGT | CGC | | TAC | | | GCA | TAT |
| | | | | | | | | | | CAT | CGT | | CAC | | | GCC | TTT |
| | GAC | ACC | TAT | CAG | GAG | TTT | GAA | GAA | GCC | TAT | ATC | CTG | AAG | GAG | CAG | AAG | TAT |
| | | | TAC | | | | | | | | | CTA | GAA | | | | |
| | | | TAT | | | | — | — | — | — | — | — | — | — | — | — | — |
| | | | TAC | | | | — | — | — | — | — | — | — | — | — | — | — |
| | TCA | TTC | CTG | CAG | AAC | CCC | CAG | ACC | TCC | CTC | TGC | TTC | TCA | GAG | TCT | ATT | CCA |
| | | | | | | | | | | | TGT | | | | | | CCG |
| | | | | | | | | | | | TGC | | | | | | CCA |
| | — | — | — | — | | | | | | | TGT | | | | | | CCG |
| | — | — | — | — | | | | | | | | | | | | | |
| | ACA | CCT | TCC | AAC | AGG | GTG | AAA | ACG | CAG | CAG | AAA | TCT | AAC | CTA | GAG | CTG | CTC |
| | | CCC | | | | GAG | GAA | ACA | CAA | | | TCC | | | | | |
| | | CCT | | | | GTG | AAA | ACG | CAG | | | TCT | | | | | |
| | | CCC | | | | GAG | GAA | ACA | CAA | | | TCC | | | | | |
| | CGC | ATC | TCC | CTG | CTG | CTC | ATC | CAG | TCA | TGG | CTG | GAG | CCC | GTG | CAG | CTC | CTC |
| | | | | | | | | | TCG | | | | | | | TCT | |
| | | | | | | | | | TCA | | | | | | | CTC | |
| | | | | | | | | | TCG | | | | | | | TCT | |

Figure 1 Translated nucleotide sequence of hGH variants.Dashes indicate section deleted in 20 kDa hGH-V and 20 kDa hGH-. Underlined section indicates signal sequence.

**Appendix 5**
**Marked-up copy of GenBank Website for Accession No: AF006060**




1: AF006060. Reports Homo sapiens plac...[gi:2459881] Links

Features Sequence

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            complete cds.
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VERSION     AF006060.1  GI:2459881
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
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            Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;
            Catarrhini; Hominidae; Homo.
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  AUTHORS   Boguszewski,C.L., Svensson,P.A., Jansson,T., Clark,R.,
            Carlsson,L.M. and Carlsson,B.
  TITLE     Cloning of two novel growth hormone transcripts expressed in human
            placenta
  JOURNAL   J. Clin. Endocrinol. Metab. 83 (8), 2878-2885 (1998)
   PUBMED   9709963
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            Carlsson,B.
  TITLE     Direct Submission
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            University Hospital, Bruna Straket, 16, Gothenburg S-41345, Sweden
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**Appendix 6**
**Clean copy of GenBank Website for Accession No: AF006060**




1: AF006060. Reports Homo sapiens plac...[gi:2459881] Links

Features Sequence

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DEFINITION  Homo sapiens placental growth hormone 20kDa isoform (hGH-V) mRNA,
            complete cds.
ACCESSION   AF006060
VERSION     AF006060.1  GI:2459881
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;
            Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 702)
  AUTHORS   Boguszewski,C.L., Svensson,P.A., Jansson,T., Clark,R.,
            Carlsson,L.M. and Carlsson,B.
  TITLE     Cloning of two novel growth hormone transcripts expressed in human
            placenta
  JOURNAL   J. Clin. Endocrinol. Metab. 83 (8), 2878-2885 (1998)
   PUBMED   9709963
REFERENCE   2  (bases 1 to 702)
  AUTHORS   Boguszewski,C.L., Svensson,P.-A., Clark,R., Carlsson,L.M.S. and
            Carlsson,B.
  TITLE     Direct Submission
  JOURNAL   Submitted (30-MAY-1997) RCEM - Internal Medicine, Sahlgrenska
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                     /gene="hGH-V"
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